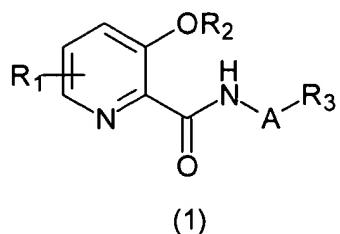


IN THE CLAIMS:

Please amend the claims as follows:

Claim 1 (Currently Amended) A picolinamide derivative compound represented by formula (1) or a salt thereof:



wherein

A represents a bond or an optionally substituted alkylene chain;

R₁ represents one or more groups, which may be the same or different, selected from the group consisting of a hydrogen atom, alkoxy, and haloalkoxy;

R₂ represents a hydrogen atom, benzyl, alkyl or alkanoyl, in which the groups other than the hydrogen atom may be substituted; and

R₃ represents a hydrogen atom, cycloalkyl, cycloalkenyl, aryl or a heterocyclic group selected from the group consisting of furyl, benzofuranyl, pyrrolyl, indolyl, thienyl, benzothienyl, oxazolyl, isoxazolyl, thiazolyl, isothiazolyl, oxadiazolyl, thiadiazolyl, pyridyl, quinolinyl, pyrimidinyl, pyridazinyl, pyrazinyl, oxiranyl, tetrahydrofuryl, perhydropyrananyl, pyrrolidinyl, piperidinyl, homopiperidinyl and morpholinyl, in which the groups other than the hydrogen atom may be substituted,

excluding the case where R₁ represents a hydrogen atom, A represents a bond or a methylene chain, and R₃ represents phenyl or cyclohexyl, and the case where A represents an alkylene chain and R₃ represents a hydrogen atom.

Claim 2 (Currently Amended) The picolinamide derivative compound or salt thereof according to claim 1, wherein

alkylene chain represented by A is an alkylene chain having 1 to 12 carbon atoms;

alkoxy or haloalkoxy represented by R₁ is alkoxy having 1 to 4 carbon atoms or haloalkoxy having 1 to 4 carbon atoms;

alkyl or alkanoyl represented by R₂ is alkyl having 1 to 4 carbon atoms or alkanoyl having 1 to 4 carbon atoms;

cycloalkyl, cycloalkenyl, aryl, and heterocyclic group represented by R₃ are respectively cycloalkyl having 3 to 12 carbon atoms, cycloalkenyl having 3 to 12 carbon atoms, monocyclic or polycyclic 3- to 12-membered aryl or 3- to 12-membered heterocyclic group.

Claim 3 (Currently Amended) The picolinamide derivative compound or salt thereof according to claim 1 or 2, wherein A is selected from the group consisting of a bond, methylene chain, 1,1- or 1,2-ethylene chain, 1,1-, 1,2-, 1,3-, or 2,2-propylene chain, 2-methyl-1,3-propylene chain, 1,1-, 1,2-, 1,3-, 1,4-, 2,2-, 2,3-, or 2,4-butylene chain, 3,3-dimethyl-1,4-butylene chain, 1,1,3,3-tetramethyl-1,4-butylene chain, hexamethylene chain, heptamethylene chain, octamethylene chain, nonamethylene chain, decamethylene chain, undecamethylene chain, dodecamethylene chain, 1,5-pentyl chain and 2,5-dichloro-1,5-pentyl chain.

Claim 4 (Currently Amended) The picolinamide derivative compound or salt thereof according to ~~any one of claims 1 to 3~~ claim 1, wherein alkoxy or haloalkoxy represented by R₁ is methoxy, ethoxy, 1-propyloxy, isopropyloxy, 1-butyloxy, 2-butyloxy, t-butyloxy, trifluoromethoxy, difluoromethoxy, fluoromethoxy, difluorochloromethoxy or trifluoroethoxy.

Claim 5 (Currently Amended) The picolinamide derivative compound or salt thereof according to ~~any one of claims 1 to 3~~ claim 1, wherein R₁ represents a hydrogen atom, 4-methoxy, 6-methoxy, 4,5-dimethoxy, or 4,6-dimethoxy.

Claim 6 (Currently Amended) The picolinamide derivative compound or salt thereof according to ~~any one of claims 1 to 5~~ claim 1, wherein

the substituted benzyl represented by R₂ is p-nitrobenzyl or p-methoxybenzyl,

the substituted alkyl represented by R₂ is methoxymethyl or methoxyethoxymethyl and alkanoyl represented by R₂ is isobutyryl, acetyl, propionyl, or pivaloyl.

Claim 7 (Currently Amended) The picolinamide derivative compound or salt thereof according to ~~any one of claims 1 to 5~~ claim 1, wherein R₂ represents a hydrogen atom, benzyl, acetyl or propionyl.

Claim 8 (Currently Amended) The picolinamide derivative compound or salt thereof according to ~~any one of claims 1 to 7~~ claim 1, wherein cycloalkyl or cycloalkenyl represented by R₃ is cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cycloheptyl, cyclooctyl, cyclononyl, cyclodecyl, cycloundecyl, cyclododecyl, cyclohexenyl, tetrahydronaphthyl, decahydronaphthyl, cyclododeca-trienyl, indanyl, norbornyl, or adamantlyl.

Claim 9 (Currently Amended) The picolinamide derivative compound or salt thereof according to ~~any one of claims 1 to 8~~ claim 1, wherein, when cycloalkyl or cycloalkenyl represented by R₃ is substituted by a substituent, the substituent is one, two or more groups selected from the group consisting of a halogen atom, cyano, nitro, amino, carboxyl, hydroxyl, phenyl which may be substituted by one, two or more substituents selected from the group consisting of a halogen atom, cyano, nitro, amino, alkylamino, alkanoylamino, alkyl having 1 to 5 carbon atoms, haloalkyl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms, and haloalkoxy having 1 to 4 carbon atoms, alkyl having 1 to 5 carbon atoms, haloalkyl having 1 to 4 carbon atoms and haloalkoxy having 1 to 4 carbon atoms.

Claim 10 (Currently Amended) The picolinamide derivative compound or salt thereof according to ~~any one of claims 1 to 7~~ claim 1, wherein aryl or heterocyclic group represented by R₃

is phenyl, or naphthyl, furyl, benzofuranyl, pyrrolyl, indolyl, thienyl, benzothienyl, oxazolyl, isoxazolyl, thiazolyl, isothiazolyl, oxadiazolyl, thiadiazolyl, pyridyl, quinolinyl, pyrimidinyl, pyridazinyl, pyrazinyl, oxiranyl, tetrahydrofuryl, perhydropiranyl, pyrrolidinyl, piperidinyl, homopiperidinyl or morpholinyl.

Claim 11 (Currently Amended) The picolinamide derivative compound or salt thereof according to any one of claims 1 to 10 claim 1, wherein when aryl or heterocyclic group represented by R₃ is substituted by a substituent, the substituent is one or two or more groups selected from the group consisting of:

a halogen atom, cyano, nitro, amino, hydroxyl, formyl, carboxyl, carbamoyl or thiocarbamoyl;

alkyl, alkoxy, alkylthio, alkylsulfinyl, or alkylsulfonyl, wherein said groups are straight-chain or branched groups having 1 to 6 carbon atoms;

straight-chain or branched C₂-C₆ alkenyl or straight-chain or branched C₂-C₆ alkenyloxy;

haloalkyl, haloalkoxy, haloalkylthio, haloalkylsulfinyl or haloalkylsulfonyl, wherein said groups are straight-chain or branched groups having 1 to 6 carbon atoms that each have 1 to 13 halogen atoms which may be the same or different;

straight-chain or branched C₂-C₆ haloalkenyloxy or straight-chain or branched C₂-C₆ haloalkenyl, wherein said groups each have 1 to 11 halogen atoms which may be the same or different;

acylamino, N-acyl-N-alkylamino, alkylamino, dialkylamino, alkylcarbonyl, alkylcarbonyloxy, alkoxy carbonyl, alkylsulfonyloxy, hydroxyiminoalkyl, or alkoxyiminoalkyl, wherein said groups each have straight-chain or branched alkyl having 1 to 6 carbon atoms;

alkylene, dioxyalkylene or polyoxaalkylene, wherein said groups may be substituted by one, two or more substituents selected from the group consisting of a halogen atom, straight-chain or branched alkyl having 1 to 4 carbon atoms, straight-chain or branched haloalkyl having 1 to 5 carbon atoms, which has 1 to 11 halogen atoms which may be the same or different, and are present as a chain which is substituted in its both ends at adjacent positions on the ring to form a ring; and

cycloalkyl having 3 to 6 carbon atoms, aryl, aryloxy, arylthio, arylsulfinyl, arylsulfonyl, arylamino, arylalkyl, arylalkyloxy, aryloxyalkyloxy, arylthioalkyloxy, aryloxyalkylthio, arylthioalkylthio, arylalkylthio, aryloxyalkyl, arylthioalkyl, heterocyclic group, heterocyclic oxy, heterocyclic thio, heterocyclic alkyl, heterocyclic alkyloxy or heterocyclic alkylthio, wherein alkyl is straight-chain or branched alkyl having 1 to 5 carbon atoms.

Claim 12 (Currently Amended) The picolinamide ~~derivative compound~~ or salt thereof according to claim 11, wherein when cycloalkyl having 3 to 6 carbon atoms, aryl, aryloxy, arylthio, arylsulfinyl, arylsulfonyl, arylamino, arylalkyl, arylalkyloxy, aryloxyalkyloxy, arylthioalkyloxy, aryloxyalkylthio, arylthioalkylthio, arylalkylthio, aryloxyalkyl, arylthioalkyl, heterocyclic group, heterocyclic oxy, heterocyclic thio, heterocyclic alkyl, heterocyclic alkyloxy or heterocyclic alkylthio, which is a substituent of aryl or heterocyclic group represented by R₃ is substituted by an additional substituent, the additional substituent is one, two or more groups selected from the group consisting of:

a halogen atom, cyano, nitro, amino, hydroxyl, formyl, carboxyl, carbamoyl or thiocabamoyl;

alkyl, alkoxy, alkylthio, alkylsulfinyl or alkylsulfonyl, wherein said groups are straight-chain or branched groups having 1 to 6 carbon atoms;

straight-chain or branched C₂-C₆ alkenyl or straight-chain or branched C₂-C₆ alkenyloxy;

haloalkyl, haloalkoxy, haloalkylthio, haloalkylsulfinyl or haloalkylsulfonyl, wherein said groups are straight-chain or branched groups having 1 to 6 carbon atoms that each have 1 to 13 halogen atoms which may be the same or different;

straight-chain or branched C₂-C₆ haloalkenyl or straight-chain or branched C₂-C₆ haloalkenyloxy, wherein said groups each have 1 to 11 halogen atoms which may be the same or different;

acylamino, N-acyl-N-alkylamino, alkylamino, dialkylamino, alkylcarbonyl, alkylcarbonyloxy, alkoxy carbonyl, alkylsulfonyloxy, hydroxyiminoalkyl or alkoxyiminoalkyl, wherein said groups each have straight-chain or branched alkyl having 1 to 6 carbon atoms;

alkylene, dioxyalkylene or polyoxaalkylene, wherein said groups may be substituted by one, two or more substituents selected from the group consisting of a halogen atom, straight-chain or branched alkyl having 1 to 4 carbon atoms, straight-chain or branched haloalkyl having 1 to 5 carbon atoms, which has 1 to 11 halogen atoms which may be the same or different, and are present as a chain which is substituted in its both ends at adjacent positions on the ring to form a ring; and

cycloalkyl having 3 to 6 carbon atoms or aryl, wherein said groups may be substituted by one, two or more substituents selected from the group consisting of a halogen atom, straight-chain or branched alkyl or alkoxy having 1 to 4 carbon atoms, and straight-chain or branched haloalkyl having 1 to 5 carbon atoms that has 1 to 11 halogen atoms which may be the same or different.

Claim 13 (Currently Amended) The picolinamide ~~derivative compound~~ or salt thereof according to ~~any one of claims 1 to 7~~ claim 1, wherein R₃ is selected from the group consisting of:

a hydrogen atom, 4-phenoxyphenyl, 4-(4'-t-butylphenoxy)phenyl, 4-(3'-trifluoromethylphenoxy)phenyl, 3-phenoxyphenyl, 2-phenoxyphenyl, 4-benzylphenyl, 4-(4'-methoxyphenoxy)phenyl, 3-trifluoromethyl-4-(4'-trifluoromethylphenoxy)phenyl or 4-(4'-phenylphenoxy)phenyl;

4-(4'-methylphenoxy)phenyl or 4-(4'-methylphenoxy)phenyl;

4-(4'-methylphenoxy)-3-trifluoromethylphenyl, 3-chloro-4-phenoxyphenyl, 4-phenoxy-3-trifluoromethylphenyl, 3-methyl-4-phenoxyphenyl, or 3-methoxy-4-(4'-methylphenoxy)phenyl;

4-(2',4'-di-t-butylphenoxy)phenyl, 4-(3',5'-di-t-butylphenoxy)phenyl, 3-chloro-4-(4'-chlorophenoxy)phenyl, 3-methyl-4-(4'-methoxyphenoxy)phenyl, 1-(1-naphthyl)ethyl, 3-chloro-4-(4'-methoxyphenoxy)phenyl, 3-chloro-4-(4'-methylphenoxy)phenyl, 3-methyl-4-(4'-methylphenoxy)phenyl, 4-(4'-trifluoromethoxyphenoxy)phenyl or 4-(3'-trifluoromethoxyphenoxy)phenyl;

3-methyl-4-(4'-trifluoromethylphenoxy)phenyl, 4-(4'-methylphenoxy)-2-trifluoromethylphenyl, 2,4-di-(4'-methylphenoxy)phenyl, 4-benzyloxyphenyl, 3-benzyloxyphenyl, cyclododecyl, cyclooctyl, 1-adamantyl, 1-adamantanemethyl, 4-cyclohexylphenyl, 3,4-ethylenedioxophenyl, 4-(4'-nitrophenoxy)phenyl, 2,6-dimethyl-4-phenoxyphenyl, 4-(4'-N-

isopropylaminophenoxy)phenyl, 4-(4'-isobutyrylpiperazin-1'-yl)phenyl, 2-methylcyclohexyl, cyclopropyl, cyclopentyl, cyclobutyl, 4-(2'-phenoxyethoxy)phenyl, 4-(3'-phenoxypropoxy)phenyl, 4-(3'-phenylpropoxy)phenyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, phenyl, 4-methylphenyl, 4-chlorophenyl, 4-fluorophenyl, 4-t-butylphenyl, 4-neopentylphenyl, 2-fluoro-4-methylphenyl, 3,4-dichlorophenyl, 3,5-difluorophenyl, 3,5-di-t-butylphenyl, 4-trifluoromethylphenyl, 4-trifluoromethoxyphenyl, 2-phenylcyclopropyl, cyclohexyl, 1-cyclohexenyl, 4-phenetoxyphenyl, 3-chloro-4-phenetoxyphenyl, 4-(4'-chlorophenetoxy)phenyl, 4-methylcyclohexyl, cycloheptyl, cyclooctyl, 3-methyl-4-(3'-trifluoromethylphenoxy)phenyl, 4-t-butyl-2-chlorophenyl, 4-t-butyl-2,6-dimethylphenyl, 5-t-butylisoxazol-3-yl, or 4-t-butylthiazol-2-yl;

4-phenylthiophenyl, 2-methoxy-4-phenoxyphenyl, 3-(3-pyridyl)phenyl, 4-phenylaminophenyl or 4-(4-morpholinyl)phenyl; and

1-benzylpiperidin-4-yl, 4-(4'-aminophenoxy)phenyl, 4-benzoylphenyl, 1-indanyl, 1,2,3,4-tetrahydronaphtho-1-yl, 1-homopiperidinyl, 2-hydroxycyclohexyl or 4-hydroxycyclohexyl.

Claim 14 (Cancelled)

Claim 15 (Currently Amended) A method for controlling harmful organisms, comprising the step of using the picolinamide derivative compound or salt thereof according to ~~any one of claims 1 to 13~~ claim 1.

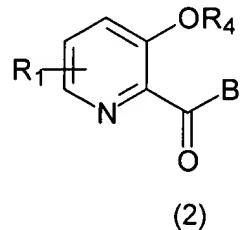
Claim 16 (Currently Amended) A method for treating plant pathogenic fungi infectious diseases, comprising the step of applying the picolinamide derivative compound or salt thereof according to ~~any one of claims 1 to 13~~ claim 1 to agricultural and gardening plants.

Claim 17 (Currently Amended) A harmful organism control agent composition comprising the picolinamide derivative compound or salt thereof according to ~~any one of claims 1 to 13~~ claim 1.

Claim 18 (Currently Amended) A harmful organism control agent composition comprising the picolinamide derivative compound or salt thereof according to ~~any one of claims 1 to 13 claim 1~~ and a pharmaceutically acceptable carrier or adjuvant.

Claim 19 (Currently Amended) The control agent composition according to claim 17 or 18, for preventing or exterminating plant pathogenic fungi, pest insects, weeds, or beasts.

Claim 20 (Withdrawn) A picolinic acid derivative represented by formula (2) or a salt thereof:



wherein

B represents hydroxyl, a halogen atom or alkoxy;

R₁ represents one, two or more groups, which may be the same or different, selected from the group consisting of alkoxy having 1 to 4 carbon atoms and haloalkoxy having 1 to 4 carbon atoms; and

R₄ represents a hydrogen atom, benzyl, alkyl having 1 to 4 carbon atoms or alkanoyl having 1 to 4 carbon atoms, in which the groups other than the hydrogen atom may be substituted, excluding the case where R₁ represents 4-methoxy with R₄ representing hydrogen or benzyl.

Claim 21 (Withdrawn) The picolinic acid derivative or salt thereof according to claim 19, wherein B is selected from the group consisting of hydroxyl, a chlorine atom, a bromine atom, methoxy, ethoxy, methoxymethoxy, benzyloxy and 4-methoxybenzyloxy.

Claim 22 (Withdrawn) The picolinic acid derivative or salt thereof according to claim 19 or 20, wherein R₁ represents methoxy, ethoxy, 1-propyloxy, isopropoxy, 1-butyloxy, 2-butyloxy, t-butyloxy, trifluoromethoxy, difluoromethoxy, fluoromethoxy, difluorochloromethoxy or trifluoroethoxy.

Claim 23 (Withdrawn) The picolinic acid derivative or salt thereof according to any one of claims 19 to 21, wherein R₄ represents a hydrogen atom, benzyl, p-nitrobenzyl, p-methoxybenzyl, methoxymethyl, methoxyethoxymethyl or diphenylmethyl.

Claim 24 (Withdrawn) A process for producing the picolinic acid derivative represented by formula (2) or salt thereof, comprising the steps of:

oxidizing a substituted 2-hydroxymethylpyridine in an inert solvent to form a 2-carboxyl compound; and

optionally removing the protective group by catalytic hydrogenation or hydrolysis.

Claim 25 (Withdrawn) A process for producing the picolinic acid derivative represented by formula (2) or salt thereof wherein R₁ represents alkoxy having 1 to 4 carbon atoms or haloalkoxy having 1 to 4 carbon atoms substituted at the 6-position, said process comprising the steps of:

optionally introducing a protective group into 3-hydroxypicolinic acid to convert 3-hydroxypicolinic acid to an N-oxide compound;

successively subjecting the N-oxide compound to acylation and rearrangement to introduce acyloxy into the 6-position; and

optionally removing the protective group.

Claim 26 (Withdrawn) A process for producing the picolinic acid derivative represented by formula (2) or salt thereof wherein R₁ represents alkoxy having 1 to 4 carbon atoms or haloalkoxy having 1 to 4 carbon atoms which may be the same or different and are substituted at the 4- and 5-positions or 4- and 6-positions, said process comprising the steps of:

optionally introducing a protective group into 3,4-disubstituted picolinic acid to convert 3,4-disubstituted picolinic acid to an N-oxide compound;

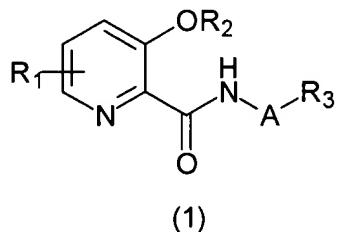
successively subjecting the N-oxide compound to acylation and rearrangement to introduce acyloxy into the 6- or 5-position; and

optionally removing the protective group.

Claim 27 (Cancelled)

Claim 28 (Cancelled)

Claim 29 (New) A process for producing a picolinamide compound represented by formula (1) or a salt thereof,



wherein

A represents a bond or an optionally substituted alkylene chain;

R_1 represents one or more groups, which may be the same or different, selected from the group consisting of a hydrogen atom, alkoxy, and haloalkoxy;

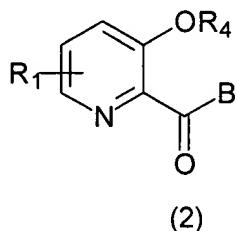
R_2 represents a hydrogen atom, benzyl, alkyl or alkanoyl, in which the groups other than the hydrogen atom may be substituted; and

R_3 represents a hydrogen atom, cycloalkyl, cycloalkenyl, aryl or a heterocyclic group selected from the group consisting of furyl, benzofuranyl, pyrrolyl, indolyl, thienyl, benzothienyl, oxazolyl, isoxazolyl, thiazolyl, isothiazolyl, oxadiazolyl, thiadiazolyl, pyridyl, quinolinyl, pyrimidinyl, pyridazinyl, pyrazinyl, oxiranyl, tetrahydrofuryl, perhydropyran, pyrrolidinyl, piperidinyl, homopiperidinyl and morpholinyl, in which the groups other than the hydrogen atom may be substituted,

excluding the case where R_1 represents a hydrogen atom, A represents a bond or a methylene chain, and R_3 represents phenyl or cyclohexyl, and the case where A represents an alkylene chain and R_3 represents a hydrogen atom,

which process comprises:

reacting a picolinic acid compound represented by formula (2) or a salt thereof



wherein

B represents hydroxyl, a halogen atom or alkoxy;

R_1 represents one, two or more groups, which may be the same or different, selected from the group consisting of alkoxy having 1 to 4 carbon atoms and haloalkoxy having 1 to 4 carbon atoms; and

R_4 represents a hydrogen atom, benzyl, alkyl having 1 to 4 carbon atoms or alkanoyl having 1 to 4 carbon atoms, in which the groups other than the hydrogen atom may be substituted, excluding the case where R_1 represents 4-methoxy with R_4 representing hydrogen or benzyl, with H_2N-A-R_3 , wherein A and R_3 are as defined above in connection with formula (1), in an inert solvent in the presence of a condensation agent or an acid linking agent, or under aminolysis reaction conditions; and acylating the resultant reaction product.

Claim 30 (New) The process according to claim 29, wherein B is selected from the group consisting of hydroxyl, a chlorine atom, a bromine atom, methoxy, ethoxy, methoxymethoxy, benzyloxy and 4-methoxybenzyloxy.

Claim 31 (New) The process according to claim 29, wherein R_1 represents methoxy, ethoxy, 1-propyloxy, isopropoxy, 1-butyloxy, 2-butyloxy, t-butyloxy, trifluoromethoxy, difluoromethoxy, fluoromethoxy, difluorochloromethoxy or trifluoroethoxy.

Claim 32 (New) The process according to claim 29, wherein R_4 represents a hydrogen atom, benzyl, p-nitrobenzyl, p-methoxybenzyl, methoxymethyl, methoxyethoxymethyl or diphenylmethyl.